

Abstract of the Disclosure

A master device and a slave device are each constituted of a transmitting section; a receiving section; and a control section including a three-dimensional position calculation section for calculating a three-dimensional position of the transmitting section of the counterpart master device or that of the counterpart slave device and an element drive section for driving an MEMS element. First, the master device outputs transmission light having comparatively narrow directivity, and the transmission light is two-dimensionally scanned. Next, the receiving section of the slave device receives that transmission light, calculates the transmission direction of the master device from the position of a spot of transmitted light on a light-detecting element array, and transmits the transmission light in that direction. At this point in time, scanning of the transmission light from the master device is stopped, and subsequently communication is initiated.